The TZUY TURBINE used as a hydraulic turbine in WAVE POWER electric generator (rowing type)

Wave power electric generator (rowing type) are practical in beaches or in remote islands close to sea. When there is enough wind sea waves are created and there is a continuous supply of wave power to produce electricity.

The sea waves can make the floats of the wave power electric generator move up and down. Each float is connected to a rod that moves a piston up and down inside the cylinder. The piston sucks in and squeeze the liquid inside the cylinder as the sea waves pass past the float. As the piston moves downward the liquid is sucked inside the cylinder. As it moves upward due to the bouyant float and action of the sea waves the liquid inside the cylinder is squeezed out reaching the TZUY HYDRAULIC TURBINE. When all of the pistons move individually in each cylinder pumping hydraulic fluid to spin the TZUY TURBINE and the electric generator, electrical energy is produced. The hydraulic fluid from the TZUY TURBINE continuously flows back to the pistons for repeated cyclical operation.

This wave power electric generator depends on storage batteries. The electricity produced from this electric generator can charge storage batteries just like in solar panels which is also used to charge batteries.

During the night the wave power electric generator can charge the batteries when the solar panels are not capable to charge. When the sun is out during the day and there are no waves the solar panels as back up power can then charge the same batteries. However, day or night most of the time sea waves are created by the wind and ample supply of electricity produced can charge the batteries. So, there's no more worry for battery charge depletion.

Therefore, wave power electric generator plus solar panels can be a good combination for a steady and dependable supply of electricity in remote beaches.

A well-lighted establishments within the beach resorts will mean good business and overflowing income for the owners.